

Title (en)

HETEROCYCLIC IMMUNOMODULATOR

Title (de)

HETEROCYCLISCHER IMMUNOMODULATOR

Title (fr)

IMMUNOMODULATEUR HÉTÉROCYCLIQUE

Publication

EP 4177247 A1 20230510 (EN)

Application

EP 21838438 A 20210628

Priority

- CN 202010633550 A 20200706
- CN 2021102873 W 20210628

Abstract (en)

The present invention relates to heterocyclic compounds as immunomodulators, or pharmaceutically acceptable salts thereof. Specifically, the present invention relates to compounds as represented by general formula (I) and pharmaceutically acceptable salts thereof. The present invention also relates to methods for preparing the compounds or the pharmaceutically acceptable salts thereof. The compounds can be used for treating and/or preventing tumors, inflammations or immune diseases.

IPC 8 full level

C07D 403/14 (2006.01); **A61K 31/4412** (2006.01); **A61P 35/00** (2006.01); **C07D 401/04** (2006.01); **C07D 487/04** (2006.01)

CPC (source: CN EP KR US)

A61K 31/496 (2013.01 - KR); **A61K 31/506** (2013.01 - KR); **A61K 31/5377** (2013.01 - KR); **A61K 31/5386** (2013.01 - KR);
A61K 45/06 (2013.01 - US); **A61P 17/00** (2018.01 - CN EP KR); **A61P 25/00** (2018.01 - CN EP KR); **A61P 29/00** (2018.01 - CN EP KR);
A61P 35/00 (2018.01 - CN EP KR); **A61P 35/02** (2018.01 - CN EP); **A61P 37/00** (2018.01 - KR); **A61P 37/06** (2018.01 - CN EP);
C07D 401/04 (2013.01 - CN EP KR US); **C07D 401/14** (2013.01 - CN EP KR US); **C07D 491/08** (2013.01 - CN EP US);
C07D 498/08 (2013.01 - KR); **C07B 2200/07** (2013.01 - CN US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4177247 A1 20230510; EP 4177247 A4 20240807; AU 2021303635 A1 20230209; CA 3189041 A1 20220113; CN 113896711 A 20220107;
CN 115776983 A 20230310; JP 2023533003 A 20230801; KR 20230037035 A 20230315; MX 2023000382 A 20230418;
US 2023271933 A1 20230831; WO 2022007659 A1 20220113

DOCDB simple family (application)

EP 21838438 A 20210628; AU 2021303635 A 20210628; CA 3189041 A 20210628; CN 202010633550 A 20200706;
CN 2021102873 W 20210628; CN 202180048474 A 20210628; JP 2023500425 A 20210628; KR 20237004029 A 20210628;
MX 2023000382 A 20210628; US 202118014623 A 20210628